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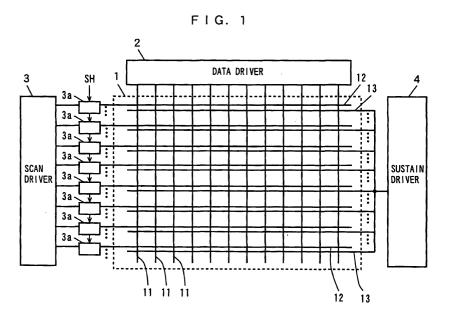
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(54) Driving circuit and display

(57) In a circuit driving a capacitive load Cp, current passed through a transistor Q3, a diode D1 and a recovering coil L is passed through lines L1, L2, and the inductance components of the lines L1 and L2, and the drain-source capacitances of the transistors Q1 and Q2 generate LC resonance. Capacitors C1 and C2 are con-

nected in parallel to the drain-source regions of the transistors Q1 and Q2 to increase the total drain-source capacitance and reduce the resonance frequency, so that unwanted electromagnetic wave radiation in a frequency band affecting other electronic devices is suppressed.





EUROPEAN SEARCH REPORT

Application Number EP 03 01 8996

Category	Citation of document with indicat	ion, where appropriate,	Relevant	CLASSIFICATION OF THE
	of relevant passages		to claim	APPLICATION (Int.Cl.7)
A	FR 2 762 705 A (NIPPON 30 October 1998 (1998-		1,2,4-6	G09G3/28
	* abstract; figure 6 *	10-30)		
	* page 45, line 5 - pa	ge 45, line 32 *		
Α	PATENT ABSTRACTS OF JA	DAN	1,2,4-6	
^	vol. 1999, no. 01,	FAN	1,2,4-0	
	29 January 1999 (1999-	01-29)		
	& JP 10 268831 A (MITS	UBISHI ELECTRIC		
	CORP), 9 October 1998 * abstract *	(1998-10-09)		
				TECHNICAL FIELDS SEARCHED (Int.Cl.7)
				G09G
				4094
1				
	The present search report has been of	drawn up for all claims		
	Place of search	Date of completion of the search	1	Examiner
	The Hague	28 January 2004	Van	Roost, L
CA	TEGORY OF CITED DOCUMENTS	T : theory or principl		
X : parti	cularly relevant if taken alone	E : earlier patent do after the filing dat	e	nea on, or
docu	cularly relevant if combined with another ment of the same category	D : document cited i L : document cited f	or other reasons	
	nological background -written disclosure	& : member of the sa		

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 03 01 8996

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

28-01-2004

Patent document cited in search report	rt	Publication date		Patent family member(s)		Publication date
FR 2762705	A	30-10-1998	JP JP FR US	2976923 10301530 2762705 5994929	4 41	10-11-19 13-11-19 30-10-19 30-11-19
JP 10268831	A	09-10-1998	NONE			
		ificial Journal of the Euro				